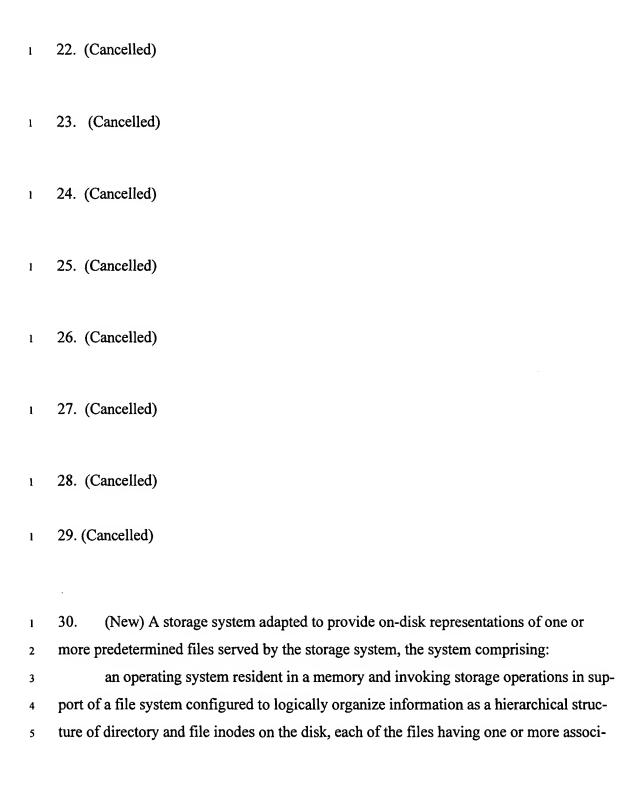
## **IN THE CLAIMS:**

1	1. (Cancelled)
1	2. (Cancelled)
1	3. (Cancelled)
1	4. (Cancelled)
1	5. (Cancelled)
1	6. (Cancelled)
1	7. (Cancelled)
1	8. (Cancelled)
1	9. (Cancelled)

10. (Cancelled)

11. (Cancelled) 12. (Cancelled) 13. (Cancelled) 14. (Cancelled) 15. (Cancelled) 16. (Cancelled) 17. (Cancelled) 18. (Cancelled) 19. (Cancelled) 20. (Cancelled)

21. (Cancelled)



6	ated file attributes stored on the disk as a representation embodying a stream inode associated with a file inode.
1 2	31. (New) The storage system of claim 30 wherein each on-disk file inode includes at least one stream inode.
1 2	32. (New) The storage system of claim 30 wherein the predetermined file comprises a NTFS file.
1 2 3 4 5 6 7 8	32. (New) A multi-protocol data access storage system adapted to provide on-disk representations of at least one file served by the storage system, the system comprising:  an operating system resident in a memory of the storage system and configured to invoke storage operations in support of a file system configured to logically organize information as a hierarchical structure of directory and file on the disk, the operating system including a file system protocol layer configured to provide data access in support of a plurality of file system protocols, each of the files stored on the disk as a representation embodying a stream inode associated with a file inode.
1 2	34. (New) The storage system of claim 33 wherein each on-disk file inode includes at least one stream inode.

- 1 35. (New) The storage system of claim 34 wherein each on-disk file inode includes a
- default stream.
- 1 36. (New) A system adapted to provide on-disk representations of at least one file
- within a filer, the system comprising:
- a processor;
- a memory coupled to the processor and having locations addressable by the proc-
- s essor;
- at least one disk coupled to the memory and processor; and
- an operating system resident in the memory locations and invoking storage op-
- 8 erations in support of a file system configured to logically organize information as files
- on the disk, each of the files stored on the at least one disk as a representation embodying
- a stream inode associated with a file inode.
- 1 37. (New) The system of claim 36 wherein each on-disk file inode includes a default
- 2 data stream.
- 1 38. (New) The system of claim 36 further comprising a storage adapter intercon-
- nected with the processor, memory and disk, the storage adapter cooperating with the op-
- 3 erating system to access the information stored on the disk.

- 1 39. (New) The system of claim 36 further comprising a network adapter coupled to
- 2 the processor and memory of the filer, the network adapter connecting the filer to a client
- over a computer network, the client interacting with the filer by exchanging packets en-
- 4 capsulating a record requesting file services from the filer using a file system protocol
- over the network.
- 1 40. (New) The system of claim 39 wherein the file system protocol is a Common
- 2 Internet File System (CIFS) protocol and wherein the record is a CIFS record comprising
- information pertaining to an operation directed to the named stream inode.
- 1 41. (New) The system of claim 40 wherein the operating system comprises a series of
- software layers, including a file system protocol layer configured to support the CIFS
- 3 protocol and a file system layer.
- 1 42. (New) The system of claim 41 wherein the CIFS record is interpreted as directed
- to a named data stream associated with a file and transformed into a message structure by
- the CIFS layer, and further passed to the file system layer, where the operation is per-
- 4 formed.
- 1 43. (New) The system of claim 42 wherein the message is passed from the CIFS layer
- to the file system layer as a function call.
- 1 44. (New) The system of claim 42 wherein the file system layer loads the stream
- 2 inode from disk into memory and accesses the stream inode as instructed by the opera-
- 3 tion.

- 1 45. (New) The system of claim 41 wherein the operating system further comprises a
- 2 media access layer of network drivers, network protocol layers, a disk storage layer that
- 3 implements a disk storage protocol and a disk driver layer that implements a disk access
- 4 protocol.
- 1 46. (New) The system of claim 45 wherein a storage access request data path through
- the operating system layers enables performance of data storage access for the client re-
- 3 quest received at the filer.
- 1 47. (New) The system of claim 46 wherein the storage access request data path is im-
- 2 plemented as logic circuitry embodied within a hardware circuit.